

**Abstract**

An antibiotic polymer combination/antibiotics polymer combination that ensures the continuous release of antibiotics over a period of several days under physiological conditions, and that can be used in human and veterinary medicine. Surprisingly, one or more antibiotic salts, which are sparingly soluble in water, from the groups comprising aminoglycoside antibiotics, lincosamide antibiotics, tetracycline antibiotics, glycopeptide antibiotics, quinolone antibiotics and chlorhexidine, are suspended in homogeneous polymer mixtures, which comprise one or more hydrophobic, nonionic polymers from the groups comprising poly(vinyl chloride), post-chlorinated poly(vinyl chloride), poly(vinylidene chloride), poly(vinyl fluoride), poly(vinylidene fluoride) and copolymers comprising vinyl chloride and one or more nonionic monomers, and which comprise one or more hydrophilic polymers from the groups comprising polyethers, and this suspension forms composites that exhibit the release of an active ingredient over a period of days in an aqueous medium.